L Number	Hits	Search Text	DB	Time stamp
1	2382	(die chip) with expos\$ with side	USPAT;	2003/01/08
			US-PGPUB	15:07
9	349628	semiconductor integrated adj circuit	USPAT	2003/01/08
				15:08
11	1064861	@rlad>19960712	USPAT	2003/01/08
				15:09
12	1261	((die chip) with expos\$ with side) and	USPAT	2003/01/08
		(semiconductor integrated adj circuit)		15:09
13	334	(((die chip) with expos\$ with side) and	USPAT	2003/01/08
		(semiconductor integrated adj circuit)) not		15:19
		(@rlad>19960712 @pd>19960712)		10110
14	3	("3187242" "3750252" "4402450").PN.	USPAT	2003/01/08
		(0 101 12 0 100 20 1 110 2 100) 111	00. A.	15:12
17	14	("4630096" "4953005" "4983533"	USPAT	2003/01/08
-		"5107586" "5151768" "5155573"	JOFAI	15:14
		"5186632" "5202754" "5266833"		13.14
		"5270261" "5275974" "5304838"		
		"5316978" "5382827").PN.		
18	2	("5107325" "5363279").PN.	USPAT	2003/01/08
.0	• •	(USFAI	15:18
19	30	5519251.URPN.	USPAT	2003/01/08
			UJFAI	2003/01/08 15:19
20	0	5519251.URPN. not (@rlad>19960712	HEDAT	
		@pd>19960712)	USPAT	2003/01/08
21	13	("3370203" "4551629" "4646128"	LICOAT	15:40
- 1	13	"4706166" "4794092" "4983533"	USPAT	2003/01/08
				15:24
		"5104820" "5107586" "5128749" "5425555" "5255822" "5270054"		
		"5135556" "5266833" "5270261"		
24	8	"5347428").PN.		
24	•	("4456694" "5016138" "5107586"	USPAT	2003/01/08
		"5138438" "5279029" "5313096"		15:32
25		"5343075" "5377077").PN.		
25	1	("5925934").PN.	USPAT;	2003/01/08
26	4.4	/UF040670U UF400670U : UF5	US-PGPUB	15:46
26	11	("5019673" "5120678" "5274913"	USPAT	2003/01/08
		"5461197" "5468995" "5483421"		15:42
		"5554887" "5641113" "5656863"		
27		"5666008" "5731631").PN.		
	10	("3512051" "4641425" "4654248"	USPAT	2003/01/08
		"4772644" "4825284" "4888450"		15:45
		"4942207" "4954877" "5019673"		
	ļ	"5110664").PN.		
28	6	("3331912" "3689804" "4552422"	USPAT	2003/01/08
		"4700473" "4922377" "4975765").PN.		15:45
31	53	5019673.URPN.	USPAT	2003/01/08
				15:46
32	11	5019673.URPN. not (@rlad>19960712	USPAT;	2003/01/08
		@pd>19960712)	US-PGPUB	15:50
33	5	("3922712" "3959874" "3972062"	USPAT	2003/01/08
		"4839713" "5019673").PN.		15:48
34	6	("3331912" "3689804" "4552422"	USPAT	2003/01/08
İ		"4700473" "4922377" "4975765").PN.		15:49

37 53 5019673.URPN. USPAT 2003/01/0 15:49 USPAT 2003/01/0 15:49 USPAT 2003/01/0 15:49 USPAT 2003/01/0 15:49 USPAT 2003/01/0 15:50 USPAT 2003/01/0 15:55 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 16:46 USPAT 2003/01/0 16:46 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:49 USPAT 2003/01/0 16:54 USPAT 2003/01/0 16:55 USPAT 20	8
38 8 ("2874085" "3374537" "3489952" "3612955" "3612955" "3639215" "3659035" "3783499" "3805375").PN. USPAT 2003/01/01/01 15:50 45 19 3959874.URPN. USPAT 2003/01/01/01 15:50 46 10 3959874.URPN. not (@rlad>19960712 USPAT; 2003/01/01 USPAT 2003/01/01 USP	
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"3783499" "3805375").PN.	•
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10 3959874.URPN. not (@rlad>19960712 USPAT; 2003/01/0	0
10 3959874.URPN. not (@rlad>19960712 USPAT; 2003/01/0 2003/01/0 USPAT 2003/01/0 15:55 15:55 USPAT 2003/01/0 16:46 USPAT 2003/01/0 16:46 USPAT 2003/01/0 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:01 USPAT 2003/01/0 16:04 USPAT 2003/01/0 16:04 USPAT 2003/01/0 16:04 USPAT 2003/01/0 16:12 USPAT 2003/01/0 16:12 USPAT 2003/01/0 16:49 USPAT 2003/01/0 16:55 USPAT 20	0
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18 3512051.URPN. USPAT 2003/01/0 16:46 16:46 2003/01/0 16:46 16:55 16:46 16:40 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:48 16:48 16:48 16:48 16:48 16:48 16:49 16:54 16:54 16:54 16:54 16:54 16:55 16:54 16:55	8
12 3512051.URPN. not (@rlad>19960712 USPAT; 2003/01/0 2003/01/0 USPAT; 2003/01/0 USPAT 2003/01/0 15:55 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:00 USPAT 2003/01/0 16:01 USPAT 2003/01/0 16:01 16:01 USPAT 2003/01/0 16:01 16:04 USPAT 2003/01/0 16:04 USPAT 2003/01/0 16:12 USPAT 2003/01/0 16:48 USPAT 2003/01/0 16:49 USPAT 2003/01/0 16:54 USPAT 2003/01/0 16:55 USPAT 2003/01/0 16:54 USPAT 2003/01/0 16:54 USPAT 2003/01/0 16:55 U	
12 3512051.URPN. not (@rlad>19960712 USPAT; 2003/01/0 ("3437527" "3457467" "3460240" USPAT 2003/01/0 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:00 16:01 16:01 16:01 16:01 16:01 16:01 16:01 16:01 16:04 16:04 16:04 16:04 16:02 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:04 16:12 16:148 16:04 16:148 16:49 16:54 16:54 16:55 17:032953").PN. 16:54 16:55 17:032953").PN. 17:032953").PN. 17:032953").PN. 17:032953",PN. 17:032953",PN. 17:032953",PN. 17:032953"	8
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51 6 ("3437527" "3457467" "3460240" USPAT 2003/01/0 54 18 3512051.URPN. USPAT 2003/01/0 55 18 3512051.URPN. USPAT 2003/01/0 59 4 3693244.URPN. USPAT 2003/01/0 60 3 ("3648131" "4417392" "4835598").PN. USPAT 2003/01/0 61 260 (chip die) with flush with side USPAT 2003/01/0 (semiconductor integrated adj circuit) (semiconductor integrated adj circuit) (semiconductor integrated adj circuit) (semiconductor integrated adj circuit)) not (@rlad>1960712) 64 7 ("3515955" "3823350" "3909838" USPAT 2003/01/0 "4822550" "4841100" "4935581" USPAT 2003/01/0 "4822550" "4841100" "4935581" USPAT 2003/01/0 "67 44 encapsulant with flush USPAT 2003/01/0 16:55	8
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60 47 4 10 0 10 10 10 10 10 10 10 10 10 10 10 1	,
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69 5 ("4072816" "4458291" "4823234" USPAT 2003/01/0	2
"4861944" "4941582").PN. 16:56	•
74 4 ("2748041" "3343255" "3411200" USPAT 2003/01/0	2
"3689357").PN.	•
81 5 3924323.URPN. USPAT 2003/01/0	3
17:12	•
120 12 3535774.URPN. USPAT 2003/01/0	3
19:06	•
157 19 3608186.URPN. USPAT 2003/01/0	3
19:10	•
158 18 3608186.URPN. not (@rlad>19960712 USPAT 2003/01/0	·
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- 1 ("5508228").PN. USPAT; 2003/01/0	•
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Canal	"4693770" "4696885" "4716058"
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"50749A7" "50749A7" "5187020" "5189502" "5196371" "5208186" "5223321" "5290732",PN. - 8	"5071787" "5074947" "5187020" "5189502" "5196371" "5208186" "5223321" "5223454" "5246880" "5284797" "5290732").PN. "5284797" "5290732").PN. "4914054" "4942023" "4843453" "5166096" "5169802").PN. "5166096" "5169802").PN. "5290732.URPN. USPAT
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"\$284797" "\$290732",PN.	- 8
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- 191	"4914054" "4924294" "4965218" "5166096" "5169802").PN. 19
- 19 5290732.URPN.	- 19 5290732.URPN. USPAT 2003/01/08 15:05 - 32 5187020.URPN. USPAT 2003/01/03 12:57 - 61430 polyimide USPAT; 2003/01/03 US-PGPUB 13:01 - 314384 bump ball USPAT; 2003/01/03 US-PGPUB 13:01 - 1167819 core center USPAT; 2003/01/03 US-PGPUB 13:02 - 3 (polyimide adj (core center)) with (bump ball) USPAT; 2003/01/03 US-PGPUB 13:02 - 5 ("5320272" "5431328" "5508228" USPAT 2003/01/03 US-PGPUB 13:02 - 5 ("5320272" "5431328" "5508228" USPAT 2003/01/03 13:03
- 19 5290732.URPN. USPAT 2003/01/08 15:05 - 32 5187020.URPN. USPAT; 2003/01/03 12:57 - 61430 polyimide USPAT; 2003/01/03 12:57 - 314384 bump ball USPAT; 2003/01/03 13:01 - 1167819 core center USPAT; USPGPUB USPAT; USPGPUB 13:01 USPAT; USPGPUB 13:01 USPAT; USPGPUB 13:01 USPAT; USPGPUB 13:02 USPAT; USPGPUB 13:02 USPAT; USPGPUB 13:02 USPAT; USPGPUB 13:02 USPAT; 2003/01/03 13:03 13:03 13:03 13:03 13:04 USPAT 2003/01/03 13:06 13:06 USPAT 2003/01/03 13:16 USPAT 2003/01/0	- 19 5290732.URPN. USPAT 2003/01/08 15:05 - 32 5187020.URPN. USPAT 2003/01/03 12:57 - 61430 polyimide USPAT; 2003/01/03 US-PGPUB 13:01 - 314384 bump ball USPAT; 2003/01/03 US-PGPUB 13:01 - 1167819 core center USPAT; 2003/01/03 US-PGPUB 13:02 - 3 (polyimide adj (core center)) with (bump ball) USPAT; 2003/01/03 USPAT 2003
- 32 5187020.URPN.	- 32 5187020.URPN. USPAT 2003/01/03 12:57 - 61430 polyimide USPAT; 2003/01/03 US-PGPUB 13:01 - 314384 bump ball USPAT; 2003/01/03 US-PGPUB 13:01 - 1167819 core center USPAT; 2003/01/03 US-PGPUB 13:02 - 3 (polyimide adj (core center)) with (bump ball) USPAT; 2003/01/03 US-PGPUB 13:02 - 5 ("5320272" "5431328" "5508228" USPAT 2003/01/03 USPAT 13:03
-	- 32 5187020.URPN. USPAT 2003/01/03 12:57 - 61430 polyimide USPAT; 2003/01/03 US-PGPUB 13:01 - 314384 bump ball USPAT; 2003/01/03 US-PGPUB 13:01 - 1167819 core center USPAT; 2003/01/03 US-PGPUB 13:02 - 3 (polyimide adj (core center)) with (bump ball) USPAT; 2003/01/03 US-PGPUB 13:02 - 5 ("5320272" "5431328" "5508228" USPAT 2003/01/03 13:03
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- 314384 bump ball	- 314384 bump ball US-PGPUB 13:01 - 1167819 core center USPAT; 2003/01/03 - 3 (polyimide adj (core center)) with (bump ball) USPAT; 2003/01/03 - 5 ("5320272" "5431328" "5508228" USPAT 2003/01/03 - 5 ("5773359").PN.
- 314384 bump ball - 1167819 core center - 1167819 core center - 3 (polyimide adj (core center)) with (bump ball) - 5 ("5320272" "5431328" "5508228" - 55 ("5320272" "5773359").PN. - 10 ("3401126" "3809625" "4402450" - "4705205" "4749120" "4903889" - "4916523" "4963002" "5134460" - "5329423").PN. - 0 6073829.URPN. - 77 polyimide adj (core center) - 6 ("3880486" "3986255" "4125310" - "4403272" "4548451" "4581679").PN. - 36 4813129.URPN. - 1 ("6211572").PN. - 22 ("4001870" "4074342" "4365264" - "4618878" "4813129" "4885126" - "4902606" "5072520" "5148265" - "5604380" "5549997" "5777379" - "5874782").PN. - 19 ("3373323" "3636619" "3647644" - "3653999" "3673016" "3690984" - "3772575" "3811183" "4086375" - "4622574" "4862322" "5134460" - "4622574" "4862322" "5134460"	- 314384 bump ball - 1167819 core center - 3 (polyimide adj (core center)) with (bump ball) - 5 ("5320272" "5431328" "5508228" "5551627" "5773359").PN. - 314384 bump ball USPAT; 2003/01/03 USPAT; 2003/01/03 USPAT; 2003/01/03 USPAT 2003/01/03 13:03
- 1167819 core center	- 1167819 core center US-PGPUB USPAT; 2003/01/03 US-PGPUB 13:02 - 3 (polyimide adj (core center)) with (bump ball) USPAT; 2003/01/03 USPAT; 2003/01/03 US-PGPUB 13:02 - 5 ("5320272" "5431328" "5508228" USPAT 2003/01/03 USPAT 13:03
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- ("5320272" "5431328" "5508228"	- ("5320272" "5431328" "5508228" USPAT 2003/01/03 13:03
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- 22 ("4001870" "4074342" "4365264" US-PGPUB USPAT 2003/01/03	1 (100.000 - 100.000)
- 22 ("4001870" "4074342" "4365264" USPAT 2003/01/03	, , , , , , , , , , , , , , , , , , , ,
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•	1	("5517127").PN.	USPAT;	2003/01/06
		(17070000)	US-PGPUB	13:21
•	1	("5656863").PN.	USPAT;	2003/01/06
	1	"05055279"	US-PGPUB	16:22
	1	"05055278"	USPAT;	2003/01/06
	2	"05055278"	US-PGPUB	16:22
-	2	03033210	JPO;	2003/01/06
_	1	1993-114335.NRAN.	DERWENT	16:44
	•		DERWENT	2003/01/06 16:22
-	2	"09045818"	JPO;	2003/01/06
	_		DERWENT	17:03
-	1	1997-185656.NRAN.	DERWENT	2003/01/06
				16:45
-	1612	csp	JPO;	2003/01/06
		-	DERWENT	17:03
-	1984	сѕр	USPAT	2003/01/06
		-		17:04
-	444	csp not (@rlad>19960712 @pd>19960712)	USPAT	2003/01/06
		,		17:04
-	132	(csp not (@rlad>19960712 @pd>19960712))	USPAT	2003/01/06
		and (semiconductor integrated adj circuit)		17:08
-	609	chip! adj (size sized) adj package	USPAT	2003/01/06
				17:09
-	9	(chip! adj (size sized) adj package) not	USPAT	2003/01/06
		(@rlad>19960712 @pd>19960712)		17:13
•	26922	backside	USPAT	2003/01/06
				17:13
-	27	backside with encapsulation	USPAT	2003/01/06
				17:13
•	6	(backside with encapsulation) not	USPAT	2003/01/06
		(@rlad>19960712 @pd>19960712)		17:16
-	8	("4280132" "4604644" "4994411"	USPAT	2003/01/06
		"5008213" "5057458" "5081067" "5086018" "5120665").PN.		17:15
	5569	(rear backside back bottom) with resin with	HEDAT	2002/04/05
	5509	side	USPAT	2003/01/06
•	2991	((rear backside back bottom) with resin with	USPAT	17:18 2003/01/06
		side) not (@rlad>19960712 @pd>19960712)	USPAI	2003/01/06 17:18
-	177	(rear backside back bottom) with side with	USPAT	2003/01/06
		encapsulation	JULA	17:19
•	77	((rear backside back bottom) with side with	USPAT	2003/01/06
		encapsulation) not (@rlad>19960712		17:26
		@pd>19960712)		
•	9	("3212160" "4600600" "4807021"	USPAT	2003/01/06
		"4899107" "5071787" "5143865"		17:20
		"5289346" "5341564" "5348607").PN.		
-	344	438/114,387,465.ccls.	USPAT	2003/01/06
				17:26
•	125	438/114,387,465.ccls. not (@rlad>19960712	USPAT	2003/01/06
		@pd>19960712)		17:36
•	9	("4930216" "4984358" "5094970"	USPAT	2003/01/06
		"5126286" "5136354" "5157588"		17:31
		"5186381" "5199164" "5223454").PN.		

-	135849	sandwich\$	USPAT	2003/01/06
				17:37
-	60438	438/\$.ccis.	USPAT;	2003/01/06
			US-PGPUB	17:37
•	4331	sandwich\$ and 438/\$.ccls.	USPAT;	2003/01/06
			US-PGPUB	17:37
-	108400	encapsula\$	USPAT;	2003/01/06
			US-PGPUB	17:38
-	585	encapsula\$ with sandwich\$	USPAT;	2003/01/06
			US-PGPUB	17:38
-	361	(encapsula\$ with sandwich\$) not	USPAT;	2003/01/08
		(@rlad>19960712 @pd>19960712)	US-PGPUB	15:05